

What is claimed is:

1. A method for measuring an air sensitivity of a global positioning system (GPS) in a mobile terminal, the
5 method comprising the steps of:

obtaining a pulse density modulation (PDM) value of an auto gain control (AGC) amplifier in the mobile terminal; and

10 displaying the air sensitivity of the GPS on a display unit of the mobile terminal by using the PDM value.

2. The method as recited in claim 1, further comprising the steps of:

15 comparing the PDM value to an air sensitivity reference value previously stored in a memory of the mobile terminal; and

displaying the comparison result on the display unit to show whether or not the air sensitivity is good.

20 3. A mobile terminal having a function to measure an air sensitivity of a global positioning system (GPS), comprising:

an analog to digital converter for converting an analog signal to a digital signal;

25 a controller for measuring a strength level of an input signal to the analog to digital converter to obtain a pulse density modulation (PDM) value according to the

measured strength level of the input signal;

an auto gain control amplifier for controlling gain thereof to maintain a predetermined strength level of the input signal to the analog to digital converter according
5 to the obtained pulse density modulation (PDM) obtain; and

a display unit for displaying an air sensitivity of the GPS by using the pulse density modulation signal.

4. The mobile terminal of claim 3, further comprising,
10 a memory for storing an air sensitivity reference value, wherein the controller compares the PDM value to the air sensitivity reference value, and the display unit displays the comparison result to show whether or not the air sensitivity is good.